GUNS, KNIVES, HAND GRENADES AND BOOBY TRAPS

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OBJECTIVES

- Identify uncommon injuries
- Discuss physiology of injuries
- Discuss proper treatment of injuries
- · Develop critical thinking...

- 45 year-old male ejected from motorcycle in rural area
- Found down embankment, lying on right side, helmet cracked
- Positive loss of consciousness
- A&O x 4, odor of ETOH
- Noticeable laceration to head and facial fractures

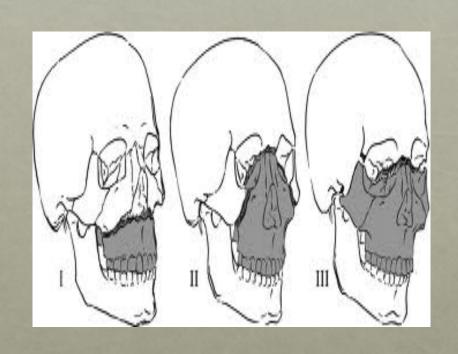


- Airway has minor bleeding
- Breathing is adequate, equal rise and fall; LS clr in all fields
- Circulation reveals strong peripheral pulses; skin is pink, warm and dry
- VS: RR 20, HR 120, BP 140/88, Sat 98%RA, PERRL

- Immobilized
- 2 IVs established
- Airway monitored
- Flown to Level II
 Trauma Center
- CT revealed....



- LeFort III Fracture
 - Cranial-Facial Disjunction
 - Face separates from skull
- · Concerns?
- Transferred to Level I Trauma



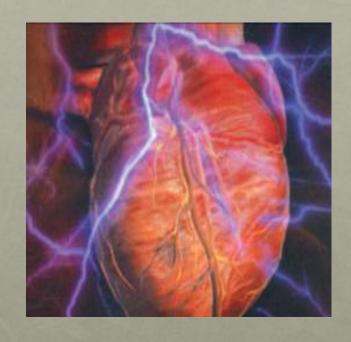
- 13 year-old male at school
- Walks to teachers desk while eating cookie
- Classmate, horse-playing slaps him in the chest
- Boy collapses
- CPR initiated



- You and your partner arrive to find teaching performing chest compressions
- Airway has cookie crumbs, but otherwise clear
- Breathing is absent
- Circulation is absent without compressions
- Thoughts?



- Monitor reveals V-Fib
- · Defibrillated at 200J
- Appears to be sinus rhythm on monitor
- After 2 mins of CPR pulse present
- Airway managed



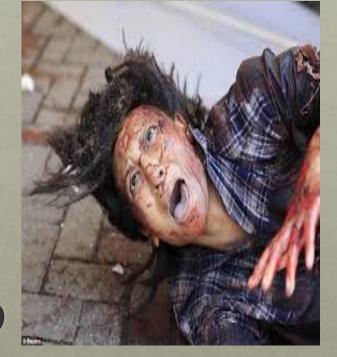
- Commotio Cordis
 "Agitation of the Heart"
- Sports injuries
- Contusio cordis
- Most cases fatal



- 25 year old female with self-inflicted GSW to abdomen
- In bathroom floor with significant blood loss
- PD attempting to control bleeding
- She is A&O x 4, screaming



- Airway patent
- · Breathing increased, clr LS
- Circulation revealed weak, thready pulse; skin C/P/D
- VS: RR 34, HR 134 per PD



Thoughts?

- NRB
- Moist dressings applied
- Wrapped in plastic wrap
- IVs wide-open?
- **PUHA!!!!**
- "chicken pad" like material in wound?????



- PD advises "She had a case of Charmin in the bathroom, so we shoved it in the wound to control the bleeding"
- Pt transported to ED
- Dies hours later



- 41 year-old male at Family Care
- Pt fell 10 feet from roof
- Three 1 inch punctures to L chest
- Sutured; pt discharged
- En route home, pt became SOB
- Returned to PCP



- Found sitting in tripod position
- Obvious respiratory distress
- A&O x 4
- Airway patent
- · Breathing labored, absent LS on left
- · Circulation- weak pulses; C/P/D

- Pt placed on NRB
- VS: RR 40, HR 120, BP 90/60, O2 sat 90%RA
- JVD noted, trachea midline
- Thoughts?
- Sutures removed; occlusive dressing applied

- 57 year old male involved in explosion
- 20 lb. propane tank
- 1st degree facial burns
- Soot in airway
- Thoughts?



- A&O x 4
- Airway...
- Breathing labored with diminished LS
- Circulation reveals strong pulses; skin pink, warm, dry
- VS: RR 28, HR 112, BP 140/80, O2 sat 92%RA



- Mental status and O2 sats decreasing
- Thoughts?
- DAI performed
- Redness and swelling
- Unable to pass 7.5 ET tube



- Intubated with 6.5 ET tube
- Transported to level II Trauma Center
- Later flown to level I Trauma Center with burn care specialty



- 25 year old male on local trail assaulted
- · After 1.25 miles, find patient
- Pt found on knees, very pale and pasty with significant trauma to mid-neck area
- Blood running down neck, to shirt and soaking pants



- A&O x 2
- Airway....
- Breathing rapid and shallow;
 LS diminished
- Circulation weak pulses; skin cool, pale and pasty
- Sub Q air and JVD noted



- Asherman Chest Seal and NRB applied
- IV established
- Pt deteriorated during hike
- Visualization revealed crushed airway
- Surgical Cric performed



- 12 year-old male playing
- Bamboo "sword" impaled in neck
- Impaled in right side of neck between trachea and carotid
- 3 ft of bamboo protruding



- A&O x 4
- Airway patent
- Breathing was adequate
- Circulation- weak
 pulses; skin cool and
 "gun metal gray"



- Blood weeping around site
- Manual C-Spine and NRB
- Consider taking the airway?





SUMMARY

- Mechanism of Injury
- Maintain airway
- · ABC's
- · Stay calm...

QUESTIONS

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